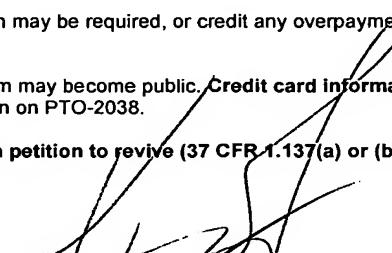


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 100894-15 (KGB)
INTERNATIONAL APPLICATION NO. PCT/JP2003/005889	INTERNATIONAL FILING DATE 12 May 2003 (12.05.2003)	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/520233
TITLE OF INVENTION Method for Evaluating Cation-Exchange Resin and Method for Controlling Water Treatment System Using the Same		
APPLICANT(S) FOR DO/EO/US Yusuke NAGATA and Shinichi OHASHI		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input checked="" type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Form PTO 1449; Transmittal of Formal Drawings; Express Mail Certificate; Return Receipt Postcard</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/520233		INTERNATIONAL APPLICATION NO. PCT/JP2003/005889		ATTORNEY'S DOCKET NUMBER 100894-15 (KGB)															
21. The following fees are submitted:																			
<table> <tr> <td><input checked="" type="checkbox"/> a) Basic national fee.....</td> <td>\$300.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> b) Examination fee.....</td> <td>\$200.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee.....</td> <td>\$500.00</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$1000.00</td> <td></td> <td></td> </tr> </table>						<input checked="" type="checkbox"/> a) Basic national fee.....	\$300.00		<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00		<input checked="" type="checkbox"/> c) Search fee.....	\$500.00		TOTAL OF ABOVE CALCULATIONS =		\$1000.00		
<input checked="" type="checkbox"/> a) Basic national fee.....	\$300.00																		
<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00																		
<input checked="" type="checkbox"/> c) Search fee.....	\$500.00																		
TOTAL OF ABOVE CALCULATIONS =		\$1000.00																	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																			
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE															
- 100 =	/50 =			x \$250.00	\$ 0														
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		\$														
Total claims	13	- 20 = 0	x \$50.00		\$ 0														
Independent claims	2	- 3 = 0	x \$200.00		\$ 0														
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00		\$ 0														
TOTAL OF ABOVE CALCULATIONS =																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$.																			
SUBTOTAL = \$ 1000.00																			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																			
TOTAL NATIONAL FEE = \$ 1000.00																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																			
TOTAL FEES ENCLOSED =																			
<table> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$ 1000.00</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged:	\$ 1000.00										
Amount to be refunded:	\$																		
Amount to be charged:	\$ 1000.00																		
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>14-1263</u> in the amount of \$ <u>1000.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1263</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																			
SEND ALL CORRESPONDENCE TO:																			
Kurt G. Briscoe Customer No. 27384 Norris McLaughlin & Marcus, P.A. 875 Third Avenue - 18th Floor New York, NY 10022																			
 SIGNATURE KURT G. BRISCOE NAME 33,141 REGISTRATION NUMBER																			

10/520233

DT Sc'd PCT/PTO 04 JAN 2005

Attorney Docket No. 100894-15 (KGB)

This is a 371 of PCT/JP2003/005889

APPLICANT: Yusuke NAGATA et al

TITLE: METHOD FOR EVALUATING CATION-EXCHANGE RESIN AND
METHOD FOR CONTROLLING WATER TREATMENT SYSTEM
USING THE SAME

EXPRESS MAIL CERTIFICATE

"Express Mail" mailing label number EV 586234732US

Date of Deposit January 4, 2005

I hereby certify that the following items:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Submission Under 35 U.S.C. 371 (2 pages)
2. Application Data Sheet (3 pages)
3. Recordation Form Cover Sheet for Patents Only (1 page)
4. Assignment (2 pages)
5. Combination Declaration & Power of Attorney (3 pages)
6. Specification consisting of description (pages 1-18); 13 Claims (pages 19-22); Abstract (page 23); Four Sheets of Drawings (Fig. 1 -Fig 4)
7. Transmittal of Formal Drawings (4 Sheets)
8. Copy of the International Search Report
9. Information Disclosure Statement
10. Form PTO 1449
11. Copy of first page of international application as published under WO 2004/008134
12. Return Receipt Postcard

are being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the: Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By


Jennifer Archer

10/520233

DT10 Sec'd PCT/US 014 JAN 2005

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and every paper referred to therein as being enclosed is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under Express Mail Label No. EV 586234732 US in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below

Date: January 4, 2005

By: Jenni's Abel

Attorney Docket No. 100894-15 (KGB)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : Yusuke NAGATA et al
SERIAL NO. : To Be Assigned
CUSTOMER NO. : 27384
FILED : Herewith
FOR : METHOD FOR EVALUATING CATION-EXCHANGE RESIN
AND METHOD FOR CONTROLLING WATER TREATMENT
SYSTEM USING THE SAME
ART UNIT : To Be Assigned
EXAMINER : To Be Assigned

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Submitted herewith for entry and approval are four (4) sheets of formal drawings (Fig. 1 - Fig. 4) in the above-referenced application. Each sheet of drawing indicates the identifying indica suggested in 37 CFR § 1.84(c).

Respectfully submitted,
NORRIS, McLAUGHLIN & MARCUS, P.A.

By

Kurt G. Briscoe
Reg. No. 33,141
Attorney for Applicant(s)
875 Third Avenue - 18th Floor
New York, New York 10022
Phone: (212) 808-0700